

# Coats® Dabond™

Coats Dabond is a bonded, twisted continuous filament polyester thread.

Dabond is most notably used in the manufacturing of sports goods and outdoor applications. Unlike conventional polyester bonded threads, Dabond has exceptional bond cohesion, giving it excellent sewing properties even in the toughest of conditions.

COATS  
*dabond*



BONDED  
CONTINUOUS FILAMENT  
POLYESTER



## WHY CHOOSE DABOND?

- For needle heat protection and smooth sewing
- Excellent bleach resistance

## MAIN USES

- Furniture and Upholstery
- Military applications
- Sport Goods
- Slings
- Safety Harnesses
- Applications requiring vinyl and chlorine beach-fastness





# Coats Dabond



## PRODUCT RANGE

Tex	Ticket	Dtex/Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
35	80	113 x 3	2280	12 - 25	80 - 100
40	60	138 x 3	2850	12 - 25	90 - 110
50	50	275 x 2	3800	12 - 25	90 - 110
60	40	226 x 3	4750	12 - 25	110 - 120
80	30	275 x 3	5700	12 - 25	120 - 140
105	25	275 x 4	7600	12 - 25	120 - 140
135	20	455 x 3	9310	12 - 25	130 - 160
150	18	550 x 3	10500	17 - 27	130 - 160
180	15	660 x 3	12450	17 - 29	160 - 200
210	15	704 x 3	14830	17 - 29	160 - 200
240	12	830 x 3	15580	18 - 34	160 - 200
270	10	940 x 3	21850	20 - 35	180 - 230
350	9	1100 x 3	27449	20 - 35	180 - 230
400	8	1444 x 3	27449	20 - 35	180 - 230
450	6	1670	29735	20 - 37	180 - 230

\*Coats Dabond is also available in belbobs and barbobs. Benefits include 5-20% machine productivity increase, precision wind for uniform pull-off tension, improved stitch appearance.

## THERMAL PROPERTIES

Melting point 250 - 260°C

Special in-line dyed Coats Dabond available for UV fade resistance of 4 - 5

## CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Excellent resistance
Insects / microorganisms (mildew, rot):	Unaffected
Moisture regain:	Approximately 0.4% (drip dry)

## FASTNESS PROPERTIES

Wash Fastness	(ISO 105 C06)	Grade 4 - 5
Water Fastness	(ISO 105 E01:2010)	Grade 4
Rub Fastness	(ISO 105 X12:2001)	Grade 3 - 4 (4 - 5 for in-line dyed version)
Vinyl Transfer	(CTC-TP-1032-003)	Grade 5 (for in-line dyed version)



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## EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com/dabond](http://www.coats.com/dabond)

## OTHER PRODUCTS IN THE DABOND RANGE

To complement the Dabond range, we also have a selection of finishes for Dabond threads. Each of these combines the superior properties of the Dabond product with additional benefits specific to the end use.

Product Name	Description
<b>Dabond EcoVerde</b>	Recycled bonded, twisted polyester thread.
<b>Dabond Outdoor</b>	Excellent resistance for applications exposed to marine water and sunlight.
<b>Dabond AW (PFC Free)</b>	Bonded, twisted polyester thread with an anti-wick finish that protects sewn seams from water penetration.
<b>Dabond Ultrabloc</b>	Made from continuous filament, high tenacity, polyester coated with an extremely smooth super absorbent water swellable finish.

Special use Dabond products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2023

